| Index of | Claims |
|----------|--------|
|          |        |

| Application No. | Applicant(s)     |
|-----------------|------------------|
| 10/613,640      | ELWELL, JAMES P. |
| Examiner        | Art Unit         |
| Essama Omgba    | 3726             |

| 1 | Rejected | - | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date     |          |          |  |  |          | CI  | Claim Date |          |                    |          |  |          |           |          |          | Claim Date |                 |          |                    |      |          |            |          |              |              | $\neg$       |              |          |          |  |   |
|----------|----------|----------|----------|----------|--|--|----------|-----|------------|----------|--------------------|----------|--|----------|-----------|----------|----------|------------|-----------------|----------|--------------------|------|----------|------------|----------|--------------|--------------|--------------|--------------|----------|----------|--|---|
| Jie      |          | <b>\</b> |          |          | ı  |  | Ť        |     |            | $\dashv$ | <del>       </del> |          |  |          |           |          |          |            |                 | <u> </u> |                    |      | Т        | Т          | Ť        | Ť            | Т            | Т            | $\neg$       | -        |          |  |   |
| Final    | Original | 3-19-92  |          |          |  |  |          |     |            |          | Final              | Original |  |          |           | 3        |          |            |                 |          |                    |      | Final    | Original   |          |              |              |              |              |          |          |  |   |
|          | 1        | Η.       | $\vdash$ |          | ┢  | H  |          |     | Н          | 一        | -                  | 51       | $\vdash$   |          | -         |          |          |            |                 | $\neg$   | $\neg$             |      |          | 101        | $\dashv$ | _            | $\top$       | $\dashv$     | 一            | $\dashv$ | 7        | $\dashv$   | _ |
|          | 2        | $\vdash$ |          |          | -  | H  | Н        |     |            | ヿ        |                    | 52       | 一  |          | _         |          |          |            | $\neg$          |          | $\neg$             |      |          | 102        | $\dashv$ | _            | 十            | 7            | $\neg$       | $\dashv$ | 寸        | $\top$   | _ |
|          | 3        | ┪        |          |          |  | H  |          | i — | П          |          |                    | 53       | Г  |          |           |          |          |            |                 | $\neg$   |                    |      |          | 103        |          | $\top$       | $\top$       | ヿ            | 一            | $\neg$   | $\neg$   |  | _ |
| 1        | 4        | =        |          |          |  | Г  |          |     |            |          |                    | 54       |  |          |           |          |          |            |                 |          |                    |      |          | 104        |          |              | $\top$       | _            | $\neg$       |          | $\neg$   |  | _ |
| 2        | 5        | =        |          |          |  |  |          |     |            | $\neg$   |                    | 55       |  | П        |           |          |          |            |                 |          |                    |      |          | 105        |          | $\neg$       | $\neg$       | $\neg$       | $\neg$       | T        | 丁        | $\top$   | _ |
| 3        | 6        | =        |          |          |  |  |          |     |            |          |                    | 56       | _  |          |           |          |          |            | T               |          |                    |      |          | 106        | $\Box$   |              | T            | T            | $\neg$       |          | 丁        | $\neg$   | _ |
| 4        | 7        | =        |          |          |  |  |          |     |            |          |                    | 57       |  |          |           |          |          |            |                 |          |                    |      |          | 107        |          |              | Т            |              |              |          |          |  | _ |
| 5        | 8        | =        |          |          |  |  |          |     |            |          |                    | 58       | Ī  |          |           |          |          |            |                 |          |                    |      |          | 108        |          |              |              |              |              |          |          |  |   |
| 6        | 9        | =        |          |          |  |  |          |     |            |          |                    | 59       |  |          |           |          |          |            |                 |          |                    |      |          | 109        |          |              |              |              |              |          |          |  |   |
| 7        | 10       | =        |          |          |  |  |          |     |            |          |                    | 60       |  |          |           |          |          |            |                 |          |                    |      |          | 110        |          |              |              |              |              |          |          |  |   |
| 8        | 11       | =        |          |          |  |  |          |     |            |          |                    | 61       |  |          |           |          |          |            |                 |          |                    |      |          | 111        |          |              |              |              |              | $\perp$  | $\perp$  | $\perp$  | _ |
| 9        | 12       | =        |          |          |  |  |          |     |            |          |                    | 62       |  |          |           |          |          |            |                 |          |                    | 4    |          | 112        |          |              |              | $\prod$      |              |          | I        | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$   |   |
|          | 13       | $\Box$   |          |          |  |  |          |     |            |          |                    | 63       | L  | Ш        |           |          |          | $\Box$     |                 |          |                    | 4, ' |          | 113        | _        | $\perp$      | _            | $\downarrow$ | $\downarrow$ |          | $\perp$  | 丄  |   |
|          | 14       |          |          |          |  |  | L.       |     |            |          |                    | 64       | _  | Ш        |           |          |          |            | _               |          | Ш                  |      | L        | 114        | $\perp$  | $\perp$      | $\perp$      | 4            | _            | $\perp$  | 4        | 丄  |   |
|          | 15       | _        |          |          |  |  | L        |     |            |          |                    | 65       | <u> </u>   | Щ        | $\Box$    |          | $\Box$   | _          | _               |          | Щ                  |      | ļ        | 115        | _        | $\perp$      | $\downarrow$ | 4            | _            | _        | 4        |  |   |
|          | 16       | L        | Ш        |          | <u> </u>   |  | Ц.       | Ш   |            | $\Box$   | <u> </u>           | 66       | _  | Щ        | $\Box$    |          | Ш        |            |                 |          |                    |      |          | 116        | ļ        | _            | $\downarrow$ | _            | _            | _        | 4        | 丄  |   |
|          | 17       | <u> </u> |          |          |  |  |          |     |            |          |                    | 67       |  |          |           | _        |          |            | _               | _        | Ц                  |      |          | 117        | _        |              | _            | _            | _            |          | $\dashv$ | _  |   |
|          | 18       | <u> </u> |          |          |  | _  |          |     |            |          |                    | 68       |  |          |           | _        | $\Box$   | _          |                 | _        |                    |      |          | 118        | $\dashv$ | $\perp$      | $\perp$      | 4            | 4            | Щ.       | 4        | _  |   |
|          | 19       | <u> </u> |          |          | <u> </u>   |  |          |     |            | _        |                    | 69       | _  | Ш        | $\Box$    | _        | _        | _          | _               | _        |                    | - 1  |          | 119        | $\perp$  |              | 4            | _            | 4            |          | _        |  |   |
|          | 20       | _        | Ш        |          | <u> </u>   |  |          |     |            | _        |                    | 70       | _  |          |           |          |          |            | _               | _        |                    | !    |          | 120        | _        |              | 4            | 4            | 4            | _        | 4        | $\dashv$   | _ |
|          | 21       |          |          |          | <u> </u>   |  |          |     |            | _        |                    | 71       | _  | Ш        |           |          |          | _          | _               | _        |                    |      |          | 121        | _        |              | $\perp$      | $\dashv$     | _            | 4        | 4        | +  | _ |
|          | 22       |          | Ш        |          | <u> </u>   |  |          |     |            |          |                    | 72       | <u> </u>   | Щ        | _         | _        |          | _          | _               | _        |                    |      |          | 122        | _        |              | $\perp$      | 4            | 4            | 4        | 4        |  | _ |
| <u> </u> | 23       | _        | Ш        |          | L  | _  | _        | Щ   |            | _        |                    | 73       | _  | Ш        | _         | _        |          | _          | _               | _        | _                  |      |          | 123        | _        | _            | 4            | 4            | _            | _        | 4        | $\dashv$   | _ |
|          | 24       | <u> </u> | <u> </u> |          | <u> </u>   |  |          | Ш   | L-i        | _        | . —                | 74       | _  |          |           |          |          |            | _               | _        | _                  |      |          | 124        | _        | +            | +            | $\dashv$     | -+           | $\dashv$ | 4        | +  | _ |
| <u> </u> | 25       | L_       |          |          | _  |  |          |     |            | 4        |                    | 75       | L  | Н        | $\dashv$  | $\dashv$ |          |            | -               |          |                    |      |          | 125        | $\dashv$ | +            | -            | -            | -            | -        | $\dashv$ | +  | _ |
| <u> </u> | 26       | _        | <u> </u> |          | _  |  | _        | Н   |            | $\dashv$ |                    | 76       | <u> </u>   | Н        | $\dashv$  | $\dashv$ | -        |            |                 |          |                    | -    |          | 126        |          | $\perp$      | -            | $\dashv$     |              |          | $\dashv$ | +  | _ |
| <u> </u> | 27       | <u> </u> | $\vdash$ |          | _  |  |          |     | Н          | $\dashv$ | -                  | 77       |  | Н        | $\dashv$  |          |          | $\dashv$   |                 |          | $\dashv$           |      |          | 127<br>128 | $\dashv$ | +            | +            | $\dashv$     | -            | -+       | $\dashv$ |  | _ |
|          | 28<br>29 | -        | Н        |          |  | -  | ┞        |     |            | $\dashv$ | -                  | 78<br>79 | -  | -        | -         | $\dashv$ | $\dashv$ |            |                 | $\dashv$ | $\dashv$           | ż    | -        | 129        | $\dashv$ | +            | +            | -+           | +            | -        | +        | +  | _ |
| <u> </u> | 30       | -        | -        | _        |  | $\vdash$   | -        |     |            | $\dashv$ |                    | 80       | $\vdash$   | -        |           |          | -        | $\dashv$   | $\dashv$        | $\dashv$ |                    |      |          | 130        | $\dashv$ | -            | +            | $\dashv$     | $\dashv$     | $\dashv$ | $\dashv$ | -  | _ |
| <u> </u> | 31       |          | Н        | _        | _  | $\vdash$   |          | H   | Н          | $\dashv$ |                    | 81       | ├-   | $\vdash$ | $\dashv$  | $\dashv$ | -        | $\dashv$   | $\dashv$        |          |                    |      |          | 131        | $\dashv$ | -            | +            | ┽            | ┥            | -+       | $\dashv$ | -  | _ |
| <u> </u> | 32       | $\vdash$ | $\vdash$ |          |  | $\vdash$   | $\vdash$ | Н   | Н          | $\dashv$ |                    | 82       | $\vdash$   | $\vdash$ | $\vdash$  | $\dashv$ | $\dashv$ |            | $\dashv$        |          | $\dashv$           |      |          | 132        | $\dashv$ | +            | +            | $\dashv$     | $\dashv$     | $\dashv$ | $\dashv$ | +  | _ |
| <u> </u> | 33       | $\vdash$ | $\vdash$ | $\vdash$ |  | $\vdash$   | $\vdash$ | Н   | H          | $\dashv$ | $\vdash$           | 83       | -  | $\vdash$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$   |                 | -        | $\dashv$           |      | <b>-</b> | 133        | $\dashv$ | +            | +            | +            | +            | +        | +        | +  | _ |
|          | 34       | -        | $\vdash$ |          | $\vdash$   | <del>                                     </del> | $\vdash$ | Н   | Н          | $\dashv$ | $\vdash$           | 84       | -  | $\vdash$ | $\dashv$  | $\dashv$ |          | $\dashv$   | -               | $\dashv$ | $\dashv$           | ,    |          | 134        | $\dashv$ | +            | 十            | $\dashv$     | $\dashv$     | 十        | $\dashv$ | +  | _ |
| $\vdash$ | 35       | -        | Н        |          | $\vdash$   | $\vdash$   |          | Н   | Н          | $\dashv$ | -                  | 85       | <del>                                     </del> | H        | $\vdash$  | $\dashv$ | $\vdash$ | 一          | .               | -        | $\dashv$           |      |          | 135        | $\dashv$ | +            | +            | $\dashv$     | +            | $\dashv$ | $\dashv$ | +  | _ |
| <b></b>  | 36       | $\vdash$ | $\vdash$ | $\dashv$ | Н  | <del>                                     </del> | $\vdash$ | Н   | Н          | $\dashv$ |                    | 86       | $\vdash$   | Н        | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$   | 一               | $\dashv$ | $\dashv$           | 1    |          | 136        | $\dashv$ | $\dashv$     | $\dagger$    | 寸            | 寸            | $\dashv$ | +        | +  | ٦ |
| <u> </u> | 37       | H        | H        | H        | <del>                                     </del> | $\vdash$   |          | Н   | $\vdash$   | $\dashv$ |                    | 87       | $\vdash$   | $\vdash$ | $\dashv$  | $\dashv$ | $\vdash$ | 一          |                 |          | $\dashv$           |      |          | 137        | $\dashv$ | +            | $^{\dagger}$ | $\dashv$     | $\dashv$     | $\dashv$ | $\dashv$ | +  | _ |
|          | 38       | $\vdash$ | Н        |          | $\vdash$   | $\vdash$   | $\vdash$ | Н   | $\vdash$   | $\dashv$ |                    | 88       | <del>                                     </del> | H        | $\vdash$  | 1        |          |            | _               | -        | ᆨ                  |      |          | 138        | 寸        | 十            | $\dagger$    | 7            | 7            | 寸        | 7        | 十  | ٦ |
|          | 39       | T        | Н        |          | T  |  |          | П   | $\Box$     | $\dashv$ |                    | 89       |  | П        | $\Box$    |          |          |            | $\neg$          |          | $\overline{\cdot}$ |      |          | 139        | $\dashv$ | $\dashv$     | 十            | 7            | 7            | $\neg$   | $\top$   | $\top$   | ٦ |
|          | 40       | ┢        | Н        |          |  |  |          | П   |            | $\dashv$ |                    | 90       |  | П        |           |          | $\neg$   | $\dashv$   |                 | $\neg$   | $\neg$             |      |          | 140        | 寸        | $\dashv$     | 十            | ┪            | $\neg$       | 寸        | 7        | 十  | ٦ |
| <u> </u> | 41       | Г        | П        |          |  |  |          | П   | П          | ヿ        |                    | 91       |  | П        | $\Box$    |          |          |            | $\neg \uparrow$ | 7        |                    |      |          | 141        | 1        | t            | $\top$       | 寸            | T            | 1        |          | 十  | ٦ |
|          | 42       | Г        | $\Box$   |          |  |  |          |     |            | ヿ        |                    | 92       |  | П        |           |          |          | 一          | 寸               | $\dashv$ | ヿ                  |      |          | 142        | $\neg$   |              | T            | す            | 7            | $\neg$   |          | $\neg$   | ٦ |
|          | 43       | Г        | П        |          |  |  |          |     |            | $\neg$   |                    | 93       |  |          |           |          |          |            |                 | _1       |                    |      |          | 143        |          |              |              |              |              |          |          | $\top$   | _ |
|          | 44       |          | П        |          |  |  |          |     |            |          |                    | 94       |  |          |           |          |          |            | $\Box$          | $\Box$   |                    |      |          | 144        |          | $\top$       | T            | _            | ╗            | $\Box$   |          |  |   |
|          | 45       |          |          |          |  |  |          |     |            |          |                    | 95       |  |          |           |          |          |            |                 |          |                    | .    |          | 145        |          |              |              |              |              |          |          | $\Box$   |   |
|          | ·46      | L        |          |          |  |  |          |     |            |          |                    | 96       |  |          |           |          |          |            |                 |          |                    |      |          | 146        |          | ╧            |              |              |              |          |          |  |   |
|          | 47       |          |          |          |  |  |          |     |            |          |                    | 97       |  |          |           |          |          |            |                 |          |                    |      |          | 147        |          |              | $\prod$      |              |              |          |          |  |   |
|          | 48       |          |          |          |  |  |          |     |            |          |                    | 98       |  |          |           |          |          |            |                 |          |                    | , ,  |          | 148        |          | $oxed{oxed}$ | floor        | $oxed{oxed}$ |              | $\Box$   | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}$ |   |
|          | 49       |          | $\Box$   |          |  |  |          |     |            | $\Box$   |                    | 99       | <u> </u>   | L        | $\coprod$ | [        | $\Box$   | ]          |                 |          |                    |      |          | 149        | $\Box$   |              |              |              | _[           |          | $\bot$   | L.   |   |
|          | 50       | l        |          |          |  |  |          | LĴ  |            |          | 1                  | 100      |  |          |           | ı        | 1        | I          |                 | I        |                    |      |          | 150        | ſ        |              |              |              |              |          | - 1      |  | - |